

# Notice of Allowability

Application No.

10/807,854

Examiner

ABDULLAH RIYAMI

Applicant(s)

MILNER, JONATHAN RICHARD

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/11/2007.
2. ☒ The allowed claim(s) is/are 1-18 (renumbered respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Jason Daniel on 02/29/2008.

As per new claim 20, please insert the following amendment.

Claim 20 (Currently amended): A common interface controller for use in a digital television device having a connector for a selectively attachable conditional access module for descrambling channels of a transport stream as identified by respective PIDs, the common interface controller including:

- a first input interface for a first transport stream having a first channel identifiable by one or more first PIDs;

- a conditional access interface configured to transmit to the conditional access module transport streams having scrambled channels and receive from the conditional access module transport streams having descrambled channels;

- a second input interface for a second transport stream having a second channel identifiable by one or more second PIDs;

- a forward multiplexer configured to provide an intermediate data stream by time multiplexing at least part of the first transport stream with at least part of the second

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transport stream, the at least part of the first transport stream including the first channel and the at least part of the second transport stream including the second channel;

a PID remapper configured to change the original values of the second PIDs to intermediate values not used by any PID of said at least part of the first transport stream such that said intermediate data stream forms an intermediate transport stream, the conditional access interface being arranged to transmit the intermediate transport stream to a conditional access module configured to descramble at least the first channel and the second channel; and

a primary forward demultiplexer configured to receive the first transport stream from the first input interface, separate from the first transport stream said at least part of the first transport stream, and output said at least part of the first transport stream to the forward multiplexer; and

a PID demapper configured to change the intermediate values of the one or more second PIDs, as received by the conditional access interface from the conditional access module, back to their original values.

### ***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:

The prior art fails to show "a PID demapper configured to "change the intermediate values of the one or more second PIDs, as received by the conditional access interface from the conditional access module, back to their original values." The

closest prior art made of record are Pinder et al. (6219358), Candelore et al. (US 2006/0269060 A1) and Slatter (6246701).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDULLAH RIYAMI whose telephone number is (571)270-3119. The examiner can normally be reached on Monday through Thursday 8am-5pm EST.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on (571)272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AR

*Abdullah Riyani*  
*2/29/2008*

  
MELVIN MARCELO  
PRIMARY EXAMINER

*2-29-2008*